

ABSTRACT

The present invention relates to a cursor simulator and a simulation method thereof for using a laser beam to control a cursor. The cursor simulator has a receiving module for receiving the first and second optical signals, a position corresponding module for corresponding the view scope of the optical reading device to the display frame of the screen, a display module for detecting the optical signal display position on the display frame and displaying the optical signal on the display frame of the screen, a wavelength parameter acquiring module for acquiring the wavelength parameter of the first optical signal and a positioning module for reading the color parameter of each optical signal display position. When the color parameter is approximately equal to the wavelength parameter, the positioning module records the optical signal display position, and generates a cursor simulating position according to the recorded optical signal display positions.